1 2 3 4 5 6 7	Traffic Signal Sta Traffic signal sta the methods and	(January 2, 1996) Traffic Signal Standards Traffic signal standards shall be furnished and installed in accordance with the methods and materials noted in the applicable Standard Plans, preapproved plans, or special design plans.					
8 9 10	Structural Suppo	All welds shall comply with the latest AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Welding inspection shall comply with Section 6-03.3(25)A Welding Inspection.					
11 12 13 14 15	Hardened washers shall be used with all signal arm connecting bolts inst of lockwashers. All signal arm AASHTO M 164 connecting bolts shal tightened to 40 percent of proof load.						
16 17	Traffic signal star	Traffic signal standard types and applicable characteristics are as follows:					
18 19 20	Type PPB	Pedestrian push button posts shall conform to Standard Plan J-7a or to one of the following pre-approved plans:					
21 22 23		<u>Fabricator</u> Northwest	<u>Drawing No.</u> NWS 2252 or 2401 both Rev. 8-25-95	,			
24 25 26		Valmont Ameron	5000-3-RD 3723				
27 28 29	Type PS	Pedestrian signal sta Plan J-7a or to one of t					
30 31 32		Fabricator Northwest	<u>Drawing No.</u> NWS 2252 or 2401 both Rev. 8-25-95	,			
33 34 35		Valmont Ameron	5000-3-RD 3723				
36 37 38	Туре І	Type I vehicle signal s Plan J-7a or to one of t					
39 40 41		<u>Fabricator</u> Northwest	<u>Drawing No.</u> NWS 2252 or 2401 both Rev. 8-25-95	,			
42 43 44		Valmont Ameron	5000-3-RD 3723				
45 46	Type II	Characteristics:					
46 47 48 49 50 51		Luminaire mounting he Luminaire arms Luminaire arm length Signal arms Signal arms length (ma		N.A. N.A. N.A. One Only 55 ft.			
52 53 54		Type II standards shall approved plans, prov					

1 2 3		herein have been satisfied. Maximum (x) (y) (z) signal arm loadings in cubic feet are noted after fabricator.			
2 3 4 5 6 7 8 9		Fabricator-(x) (y) (z) Valmont-(2013) Ameron-(1785) Northwest-(1938)	DB00308-F 3722-1 Rev NWS 2324	Prawing No. PB00308-Rev. B, Shts. 1, 2 & 3 PB00308-Rev. A & 3722-2 PROVINCE 2324, 2360, 2393 PROVINCE 2395, all Rev. 8-25-95	
10 11	Type III	Characteristics:			
12 13 14 15 16 17		Luminaire mounting he Luminaire arms Luminaire arm type Luminaire arm length (Signal arms		30 ft., 35 ft., 40 ft., or 50 ft. One Only Type 2 16 ft. One Only	
18 19		Signal arm length (ma	x.)	55 ft.	
20 21 22 23 24		Type III standards shall conform to one of the following pre-approved plans, provided all other requirements noted herein have been satisfied. Maximum (x) (y) (z) signal arm loadings in cubic feet are noted after fabricator.			
25 26 27		<u>Fabricator</u> -(x) (y) (z) Valmont-(2013)	Drawing No DB00308-R and "T" lumi	ev. B, Shts. 1, 2 & 3	
28 29		Ameron-(1785)		. A & 3722-2	
30 31 32		Northwest-(1938)	NWS 2360 (both Rev. 8	or 2395,	
33 34 35 36	Type IV	Type IV strain pole standards shall be consistent with details in the Plans and Standard Plan J-7c or one of the following pre-approved plans:			
37		<u>Fabricator</u>	Drawing No		
38 39		Northwest	NWS 2381 both Rev. 8		
40 41		Valmont Ameron	5000-4 3650-A		
42 43 44 45 46	Type V	Type V combination strain pole and lighting standards shall be consistent with details in the Plans and Standard Plan J-7c or one of the following pre-approved plans:			
47 48 49		<u>Fabricator</u> Ameron	Drawing No 3650-A	<u>).</u>	
50 51 52 53		The luminaire arm shall be Type 2, 16 foot maximum and the luminaire mounting height shall be 40 feet or 50 feet as noted in the Plans.			
55 54 55	Type SD			al design. All special est AASHTO Standard	

1 2 3 4 5 6 7 8 9		Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals and pre-approved plans. An 80 mph wind loading shall be used. Complete calculations for structural design, including anchor bolt details, shall be prepared by a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural Engineering or by an individual holding valid registration in another state as a civil or structural Engineer.	
10 11 12 13 14 15 16 17 18		All shop drawings and the cover page of all calculation submittals shall carry the Professional Engineer's original signature, date of signature, original seal, registration number, and date of expiration. The cover page shall include the contract number, contract title, and sequential index to calculation page numbers. Two copies of the associated design calculations shall be submitted for approval along with shop drawings.	
20 21		Details for handholes and luminaire arm connections are available from the Bridges and Structures Office.	
22 23	Foundations for various types of standards shall be as follows:		
24 25 26 27 28 29 30 31 32	Type PPB Type PS Type I Type II Type III Type IV Type V Type SD	As noted on Standard Plan J-7a. As noted on Standard Plan J-7a. As noted on Standard Plan J-7a. As noted in the Plans. As noted in the Plans. As noted in the Plans and Standard Plan J-7c. As noted in the Plans and Standard Plan J-7c. As noted in the Plans.	